



Material Content Data Sheet



Sales Product Name		IPI60R280C6		Issued		4. July 2019		
MA#		MA005339076						
Package		PG-TO262-3-22		Weight*		1564.59 mg		
Construction Element	Material Group	Substances	CAS# if applicable	Weight [mg]	Average Mass [%]	Sum [%]	Average Mass [ppm]	Sum [ppm]
chip	inorganic material	silicon	7440-21-3	5.826	0.37	0.37	3724	3724
leadframe	inorganic material	phosphorus	7723-14-0	0.255	0.02		163	
	non noble metal	iron	7439-89-6	0.851	0.05		544	
	non noble metal	copper	7440-50-8	849.682	54.30	54.37	543072	543779
	non noble metal	aluminium	7429-90-5	2.609	0.17	0.17	1667	1667
wire	non noble metal	aluminium	7429-90-5	2.609	0.17	0.17	1667	1667
encapsulation	organic material	carbon black	1333-86-4	2.316	0.15		1480	
	plastics	epoxy resin	-	67.169	4.29		42931	
	inorganic material	silicondioxide	60676-86-0	509.561	32.57	37.01	325685	370096
leadfinish	non noble metal	tin	7440-31-5	15.198	0.97	0.97	9714	9714
plating	non noble metal	nickel	7440-02-0	1.651	0.11	0.11	1055	1055
solder	non noble metal	antimony	7440-36-0	0.312	0.02		199	
	noble metal	silver	7440-22-4	0.780	0.05		498	
	non noble metal	tin	7440-31-5	2.028	0.13	0.20	1296	1993
heatspreader	inorganic material	phosphorus	7723-14-0	0.032	0.00		20	
	non noble metal	iron	7439-89-6	0.106	0.01		68	
	non noble metal	copper	7440-50-8	106.210	6.79	6.80	67884	67972
*deviation	< 10%		Sum in total:			100.00		1000000

Important Remarks:

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This product is in compliance with EU Directive 2015/863/EU amending Annex II to EU Directive 2011/65/EU (RoHS) and does not use any exemption

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